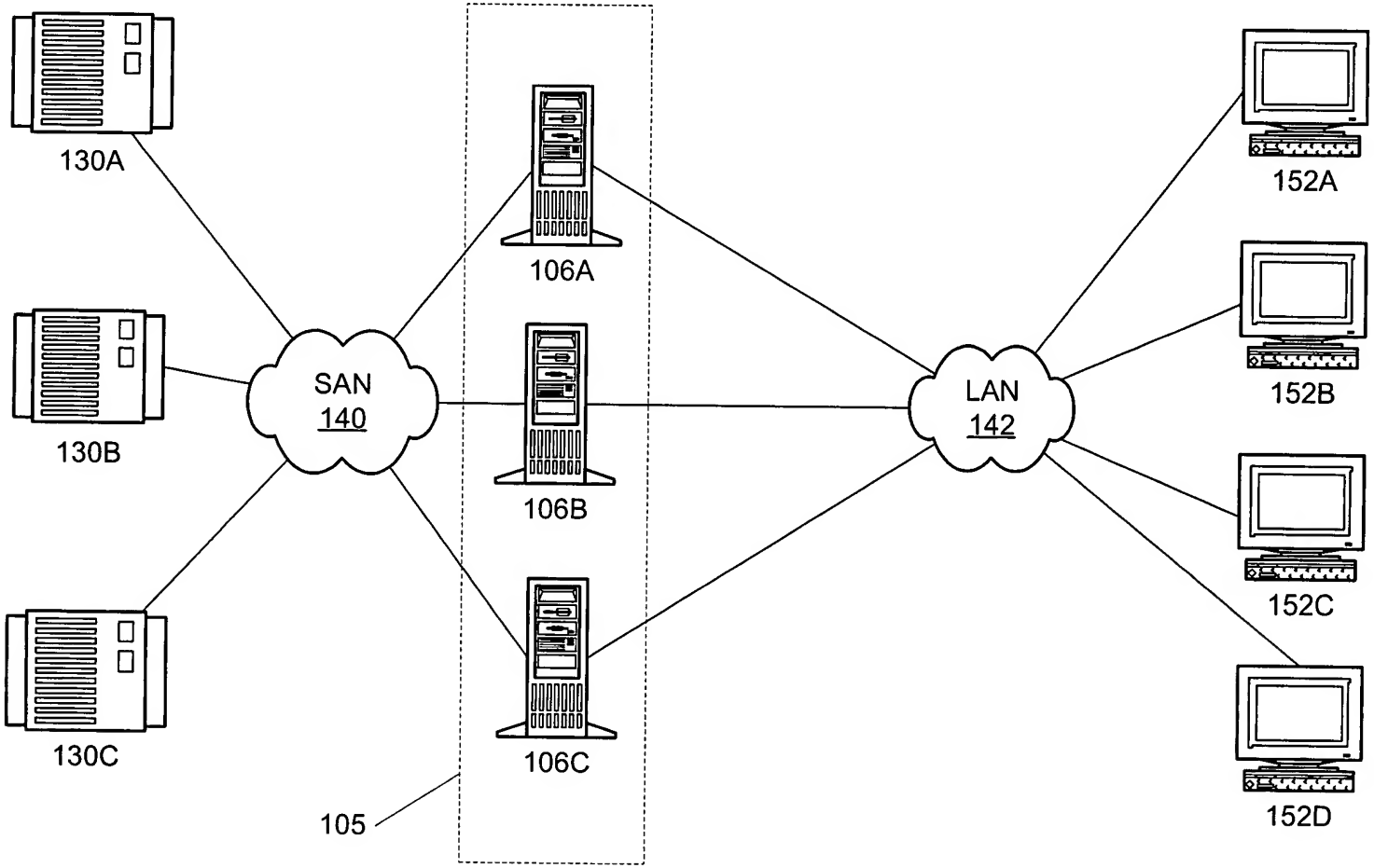
130A
130B
130C
SAN
140
106A
106B
106C
105
LAN
142
152A
152B
152C
152D

Fig. 1

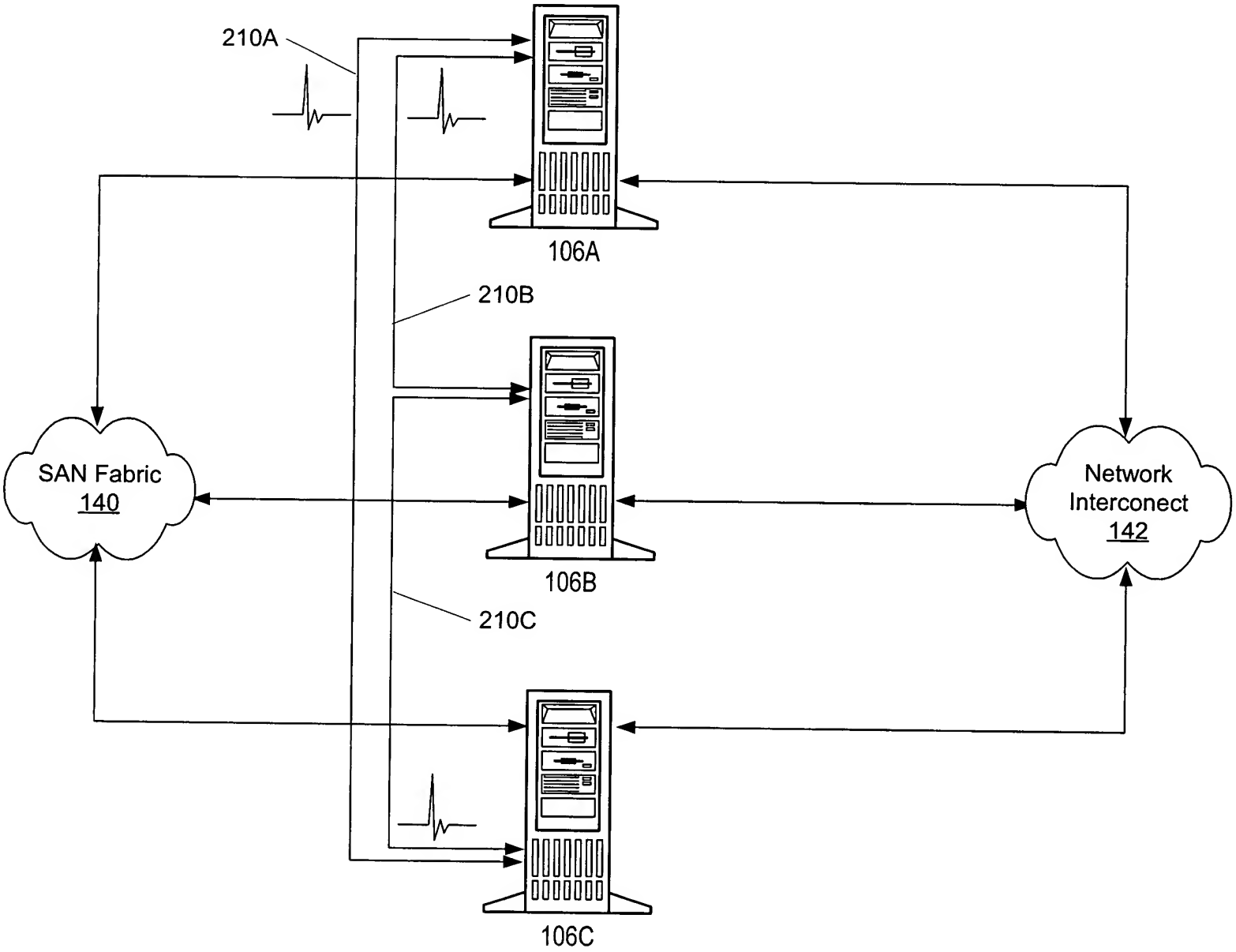
210A
106A
210B
SAN Fabric
140
Network
Interconect
142
106B
210C
106C

Fig. 2

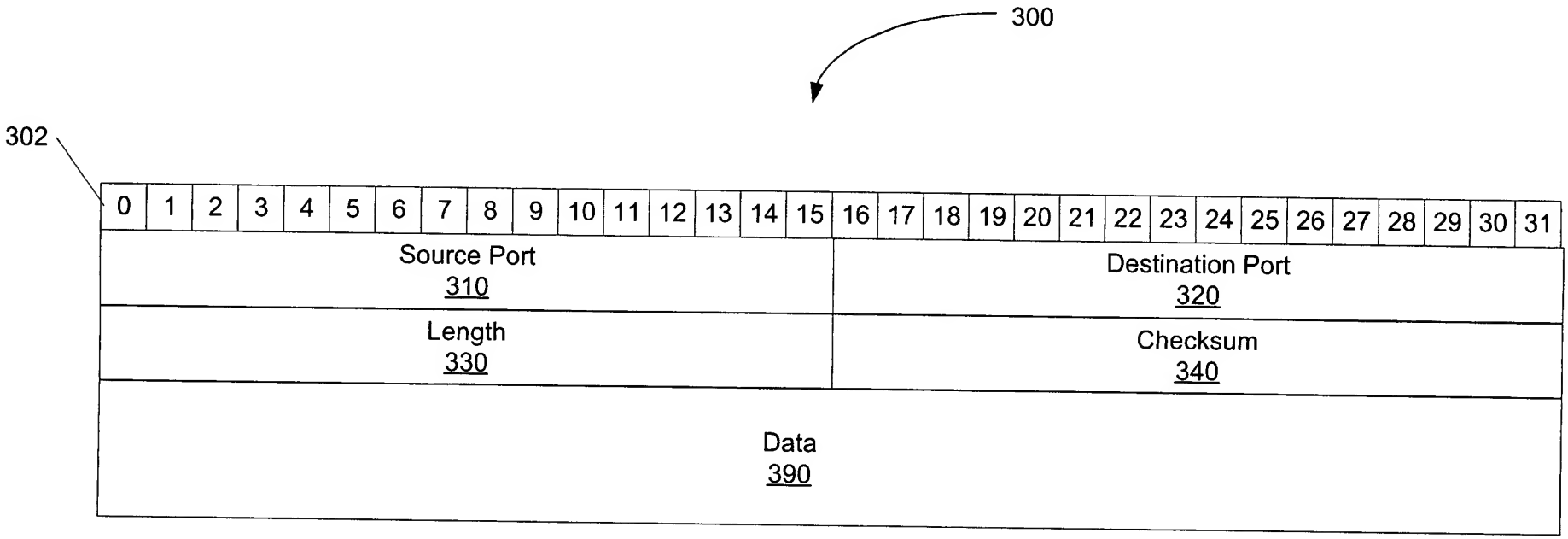
300
302
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Source Port
310
Destination Port
320
Length
330
Checksum
340
Data
390

Fig. 3

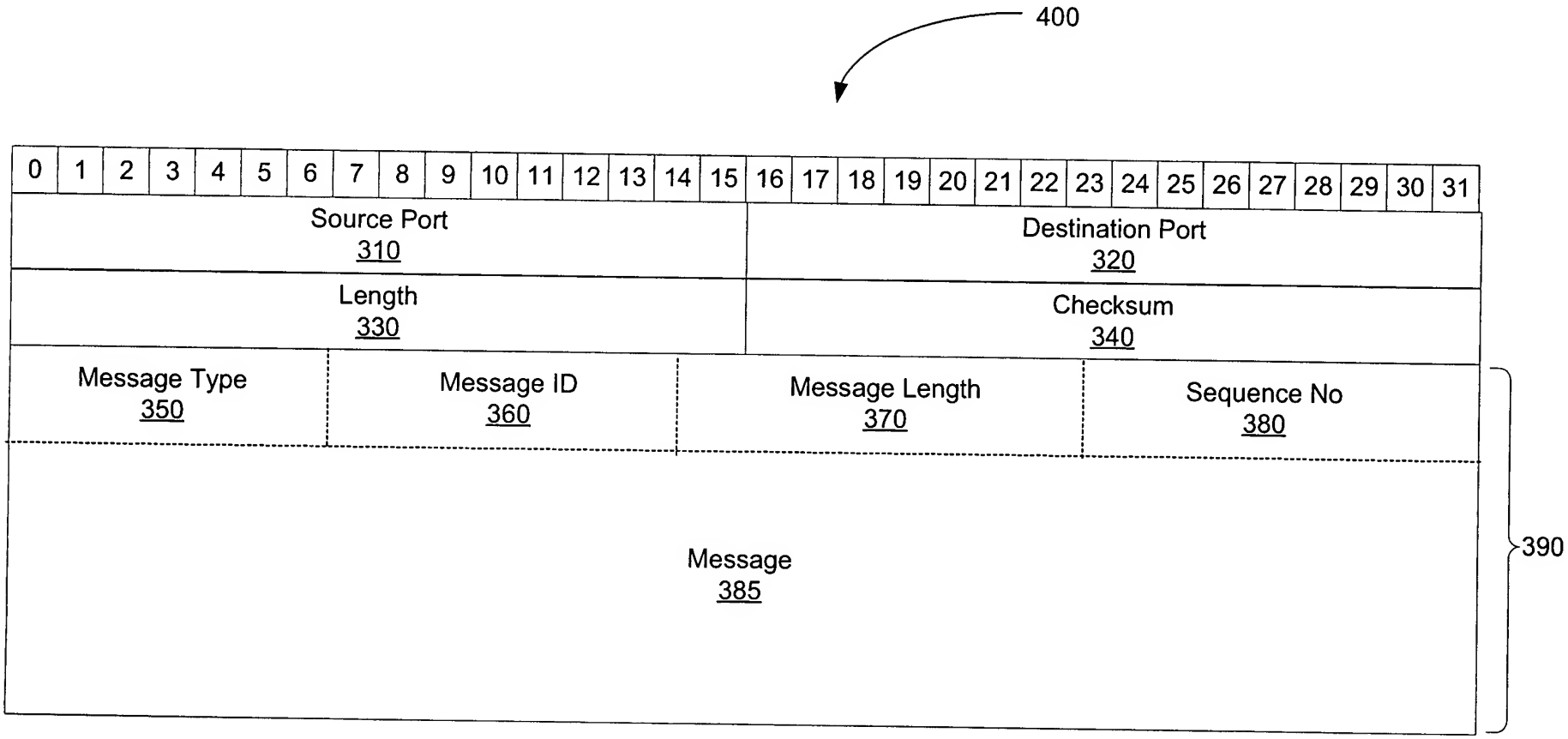
400
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Source Port
310
Destination Port
320
Length
330
Checksum
340
Message Type
350
Message ID
360
Message Length
370
Sequence No
380
Message
385
390

Fig. 4

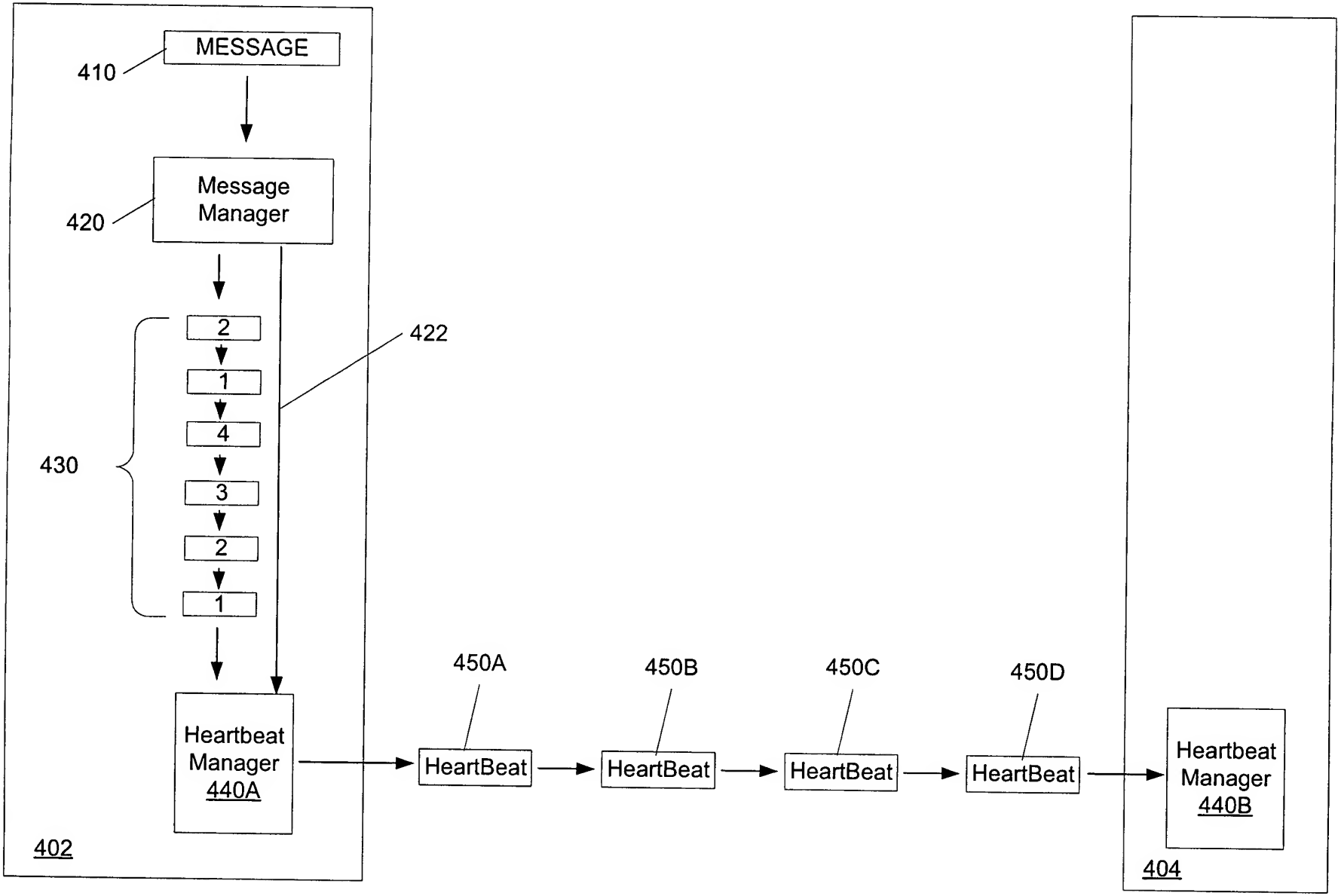
MESSAGE
410
Message Manager
420
422
2
1
4
3
2
1
430
Heartbeat Manager 440A
402
450A
450B
450C
450D
HeartBeat
HeartBeat
HeartBeat
HeartBeat
Heartbeat Manager 440B
404

Fig. 5

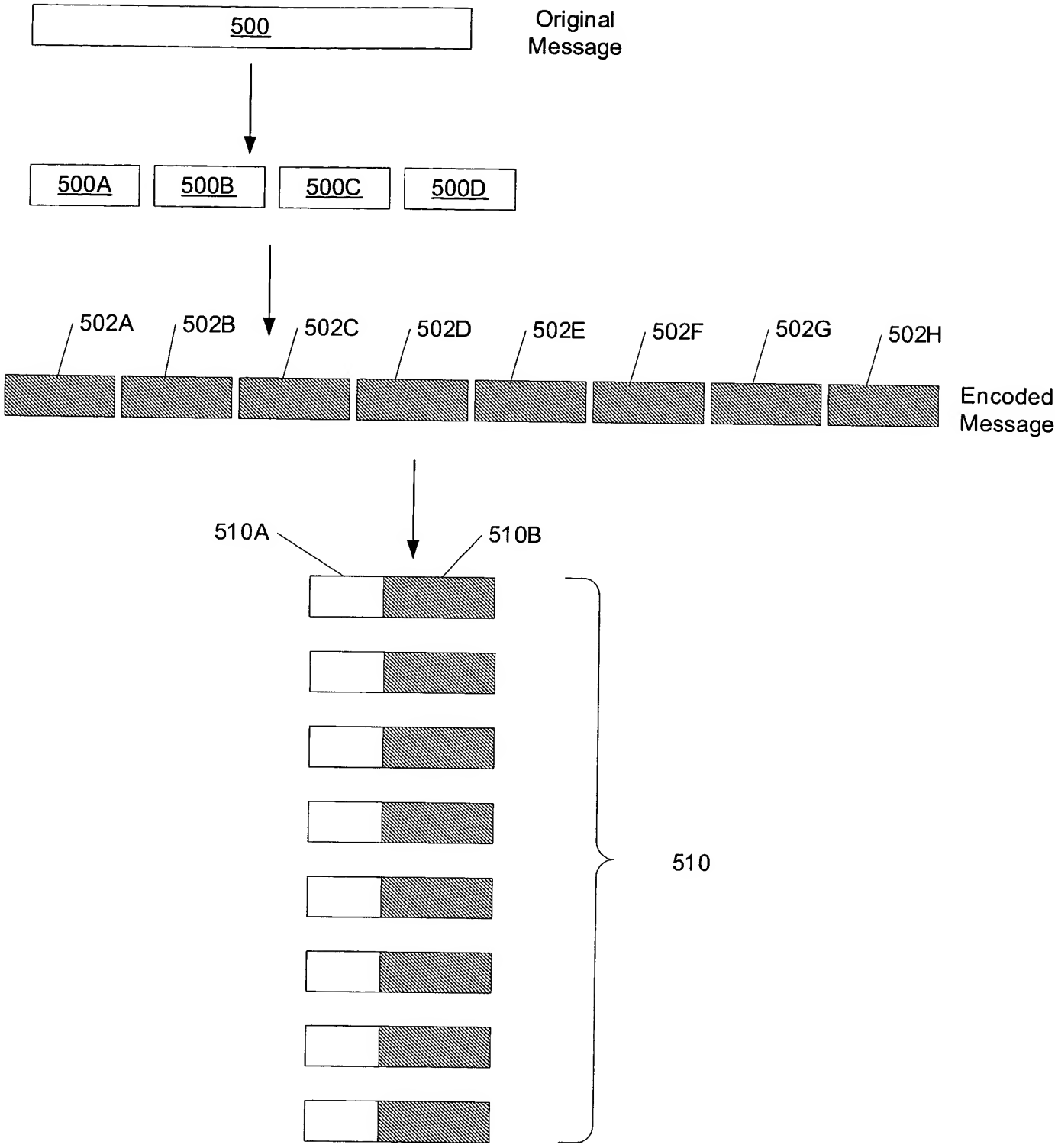
500
Original Message
500A
500B
500C
500D
502A
502B
502C
502D
502E
502F
502G
502H
Encoded Message
510A
510B
510

Fig. 6

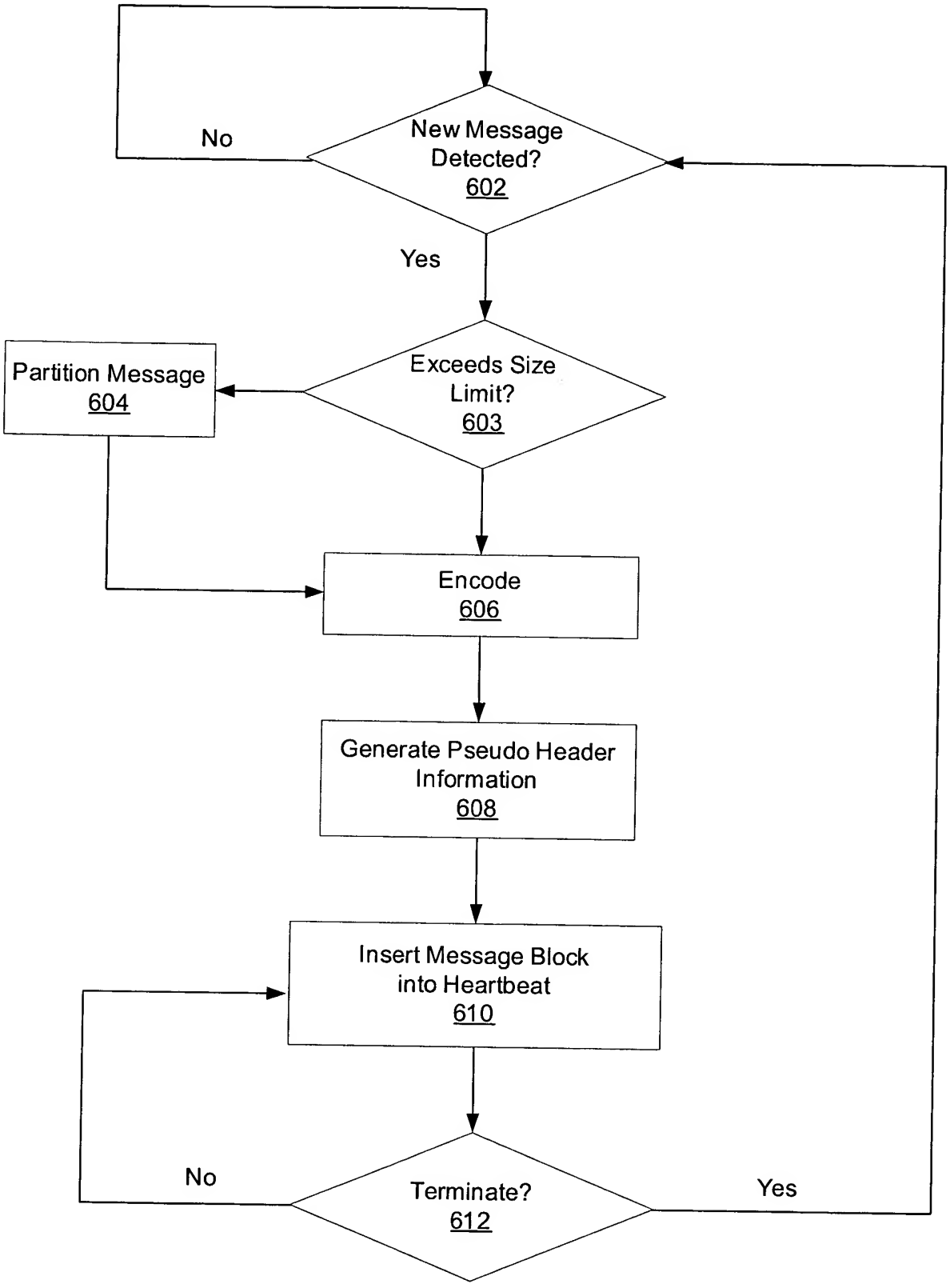
New Message Detected?
602
No
Yes
Exceeds Size Limit?
603
Partition Message
604
Encode
606
Generate Pseudo Header Information
608
Insert Message Block into Heartbeat
610
Terminate?
612
No
Yes

Fig. 7